\_\_\_\_\_\_

Sequence Listing was accepted.

If you need help call the Patent Electronic Business Center at (866) 217-9197 (toll free).

Reviewer: Anne Corrigan

Timestamp: Mon Sep 17 14:40:30 EDT 2007

\_\_\_\_\_

## Validated By CRFValidator v 1.0.3

Application No: 10549662 Version No: 1.0

Input Set:

Output Set:

**Started:** 2007-09-17 14:27:45.514

**Finished:** 2007-09-17 14:27:45.665

**Elapsed:** 0 hr(s) 0 min(s) 0 sec(s) 151 ms

Total Warnings: 0

Total Errors: 0

No. of SeqIDs Defined: 18

Actual SeqID Count: 18

## SEQUENCE LISTING

<110>	Medical College of Ohio Ratnam, Manohar	
<120>	Folate Receptor Gene Modulation For Cancer Diagnosis and Ther	apy
<130>	9178	
	10549662 2007-09-17	
	US 60/455,705 2003-03-17	
<160>	18	
<170>	PatentIn version 3.2	
<210>	1	
<211>	223	
<212>	DNA	
<213>	Homo sapiens	
<400>	1	
	1 acct ggagaaggca atgaggctca agccagggag gggtggtgtc taatcctacc	60
9-9	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
tttcatt	gga tetgggaaaa etgagggaga tgggggcagg getetatetg eeccaggett	120
ccgtcca	agge eccaecetee tggageeetg cacacaaett aaggeeeeae eteegeatte	180
cttggto	gcca ctgaccacag ctctttcttc agggacagac atg	223
<210>	2	
<211>	12	
<212>	DNA	
<213>	Homo sapiens	
<400>	2	
tgaggct	caa gc	12
<210>	3	
<211>	13	
<212>	DNA	
<213>	Homo sapiens	
<400>	3	
gggaggg	ggtg gtg	13
<210>	4	
<211>	22	
<212>	DNA	
<213>	Homo sapiens	

<210> 5 <211> 11 <212> DNA

<213> Homo sapiens

<400> 5

ccccaccctc c 11

2.2

<210> 6 <211> 2723 <212> DNA <213> Homo sapiens

<400> 6

ttggaaactg atgagattag ctcaaaggat cctggcagct caggetgcaa gatttttttc agacctcagt gtttgggaaa aaattgggta ggtggagctt agggactggc cttaggcctg 120 cactgttaat tcacccctc ccactacccc atggaggcct ggctggtgct cacatacaat 180 aattaactgc tgagtggcct tcgcccaatc ccaggctcca ctcctgggct ccattcccac 240 300 tecetgeetg teteetagge caetaaacca cagetgteee etggaataag geaaggggga gtgtagagca gagcagaagc ctgagccaga cggagagcca cctcctctc caggtatgtg 360 acactececa tecceettea gaggeeacae accetatgge atteceacea tgtgttaagg 420 480 attttctgaa ctggaagggc cctctgtttg cctgaaggcc agagaatctt gaagtggaga ctgaggccca gaccagagtg tggcctgctc aagattaaac gacaagttag tgttcatccc 540 600 cctgaactag tacctgggct ctagcccttc agtccagagc tgagttctca gctcttctag tetggggeee caaggttggg tgtgggggte atgattgttg gtggggaggg gteacagetg 660 gactaagacc tgaaggtgag actaggcagg tgggaaagga gcttgcagag tgatgctgct 720 780 caaaaggaca ggaagaggc ctggcttcag aagcagccac agcaagagag actactgact gaacaggtgg gctccactgg gggctccgga aaggattttc tcagccccca tccccagcac 840 tgtgtgttgg ccgcacccat gagagcctca gcactctgaa ggtgcagggg gcaaaggcca 900 aaagagctct ggcctgaact tgggtggtcc ctactgtgtg acttggggca tggccctcat 960 ctgtgctgaa atgattccac aaagattaaa ctggctatca tttgttgatt tcccccttct 1020 1080 tacatttaat ccttgcagga gaaagctaag cctcaagata gtttgcttct ctttccccca 1140 aggccaagga gaaggtggag tgagggctgg ggtcgggaca ggttgaacgg gaaccctgtg

ctctaaacag ttagggtttg ttcccgcagg aactgaaccc aaaggatcac ctggtattcc 1200 ctgagagtac agatttctcc ggcgtggccc tcaaggttag tgagtgagca ggtccacagg 1260 ggcatgattg gatcctggaa tgaatgaatc aaccatgaga gagtgaatga acactggaat 1320 1380 caatagagta gcagagtaat ggattgtgga gcaggaaaga gagctgctgg gtgggaattc aattecagge ttatatgage eetgetgtge agteggeetg gagacageee ageteaggee 1440 ctgcctagac ccctgtcaag gaggccctgt caagaggaga ggaggggcag cacgggggca 1500 aggcaagctt gtgagcggga aaggcatgtc cactttagcg actggtatgt ggaagatgag 1560 1620 ttaqaqqaqa caqatqqaqa qaaqtcataq qaaataaatt ctqaqcattt taqqaqqqcc 1680 cagacacctg gtgtccagtg gagtgaagga aacagtcgcc tcccaaaatt cagtgtctga ggtcaaagga ttgaagttct gtgatgacca aggagaagcc agctctgtgg tagggggcac 1740 aggagetece caaggeeeca gggetgteca getggetgte eeetgeeage acceatgtee 1800 1860 tgtgacccca ccccaccaag atcccatggt ttccgggaag ggcctactaa actagcttga 1920 gtgatgaggc tagaaagggg ctgggaccaa ggtttaaaaa gcaaaacaaa ctaacaaaaa 1980 gagteteget etgteaceca ggetagagtg caatggeaca atettggete actgtaacet 2040 ccacctcctg gattcaagtg attctcctgc ctcagcctcc cacgtagetg ggactacagg 2100 cacacgacac cgcacccagc tcattttgta tttttagtag agacagggtt tcactatgtt 2160 ggccaggctg gtctcaaact tctgacctca ggtgatccac ccacctcagc cttccaaagt gctgggatta caggcatgag ccaccgcgcc cagcccattt ttgtaaactt ttacaatgaa 2280 2340 gtaatttggt gtcaaaatct gacctgaaaa ttaatgtgag tttatgtata gttttaattt atcccactag tgtaactgtt tcaccccaga atatacactt gattattggg tatatgaaaa 2460 aaatattttc tttgaatcac ctttgatgaa atcctaaaaa attttaaccc tgaaacattt gaataaggca ttgtggacct atggcaaact cctggctatt tctgcatttt gcccaaatcc 2520 atccttgaat tatatcacct gaacctcgtg accacctgga gaaggcaatg aggctcaagc 2580 cagggagggg tggtgtctaa tcctaccttt cattggatct gggaaaactg agggagatgg 2640 gggcagggct ctatctgccc caggcttccg tccaggcccc accetectgg agccctgcac 2700 acaacttaag gccccacctc cgc 2723

<212>	DNA					
<213>	Homo sapiens					
<400>	7					
	ggtg gtgtctaatc ct	acctttca 1	ttagatctag	gaaaactgag	agagat agag	60
999-99	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		9999	9	9999999	
aasaaa	ctct atctgcccca gg	rattaaata .	a	aataa		105
geaggg	seer accegeeeea gg	gerreegre .	caggeeeeae	CCCC		103
	8					
<211>						
<212>						
<213>	Homo sapiens					
<400>	8					
gcattco	cttg gtgccactga cc	cacagetet 1	ttcttcaggg	acagaca		47
<210>	9					
<211>						
<212>						
	Homo sapiens					
\Z13/	nomo sapiens					
<400>						
gtcagca	atat gtagtcccgc cc					22
	10					
<211>	21					
<212>	DNA					
<213>	Homo sapiens					
<400>	10					
aaactta	aagc agcgatgggg c					21
<210>	11					
<211>	21					
	DNA					
	Homo sapiens					
·213/	Tomo papiens					
<400>	11					
						21
altCtC	cgcg gcatcgctga c					21
-0.5.0	1.0					
<210>	12					
<211>	22					
	DNA					
<213>	Homo sapiens					
<400>	12					
cactgca	atac gacgattctg tg	3				22
<210>	13					
<211>	21					
<212>	DNA					

attttctgaa ctggaagggc cctctgtttg cctgaaggcc agagaatctt gaagtggaga

ctgaggccca gaccagagtg tggcctgctc aagattaaac gacaagttag tgttcatccc

cctgaactag tacctgggct ctagcccttc agtccagagc tgagttctca gctcttctag

tetggggccc caaggttggg tgtgggggtc atgattgttg gtggggaggg gtcacagetg

gactaagacc tgaaggtgag actaggcagg tgggaaagga gcttgcagag tgatgctgct

caaaaggaca ggaagagac ctggcttcag aagcagccac agcaagagag actactgact

gaacaggtgg gctccactgg gggctccgga aaggattttc tcagccccca tccccagcac

tgtgtgttgg ccgcacccat gagagcctca gcactctgaa ggtgcagggg gcaaaggcca

aaagagctct ggcctgaact tgggtggtcc ctactgtgtg acttggggca tggccctcat

ctgtgctgaa atgattccac aaagattaaa ctggctatca tttgttgatt tcccccttct

tacatttaat ccttgcagga gaaagctaag cctcaagata gtttgcttct ctttccccca

480

540

600

660

720

780

840

900

960

1020

1080

aggccaagga gaagg 1095

<210> 16 <211> 2723 <212> DNA

<213> Homo sapiens

<400> 16

ttggaaactg atgagattag ctcaaaggat cctggcagct caggctgcaa gatttttttc agacctcagt gtttgggaaa aaattgggta ggtggagctt agggactggc cttaggcctg 120 cactgttaat tcacccctc ccactacccc atggaggcct ggctggtgct cacatacaat 180 aattaactgc tgagtggcct tcgcccaatc ccaggctcca ctcctgggct ccattcccac 240 300 tecetgeetg teteetagge eactaaacea eagetgteee etggaataag geaaggggga gtgtagagca gagcagaagc ctgagccaga cggagagcca cctcctctc caggtatgtg 360 acactececa tececettea gaggeeacae accetatgge atteceacea tgtgttaagg 420 attttctgaa ctggaagggc cctctgtttg cctgaaggcc agagaatctt gaagtggaga 480 540 ctgaggccca gaccagagtg tggcctgctc aagattaaac gacaagttag tgttcatccc 600 cetgaactag tacetggget etagecette agtecagage tgagttetea getettetag 660 tetggggeee caaggttggg tgtgggggte atgattgttg gtggggaggg gteacagetg gactaagacc tgaaggtgag actaggcagg tgggaaagga gcttgcagag tgatgctgct 720 780 caaaaggaca ggaagagagc ctggcttcag aagcagccac agcaagagag actactgact gaacaggtgg getecaetgg gggeteegga aaggatttte teageeeca teeceageae 840 900 tgtgtgttgg ccgcacccat gagagcctca gcactctgaa ggtgcagggg gcaaaggcca aaagagetet ggeetgaaet tgggtggtee etaetgtgtg aettggggea tggeeeteat 960 ctgtgctgaa atgattccac aaagattaaa ctggctatca tttgttgatt tcccccttct 1020 1080 tacatttaat ccttgcagga gaaagctaag cctcaagata gtttgcttct ctttccccca aggccaagga gaaggtggag tgagggctgg ggtcgggaca ggttgaacgg gaaccctgtg 1140 ctctaaacag ttagggtttg ttcccgcagg aactgaaccc aaaggatcac ctggtattcc 1200 ctgagagtac agatttctcc ggcgtggccc tcaaggttag tgagtgagca ggtccacagg 1260 ggcatgattg gatcctggaa tgaatgaatc aaccatgaga gagtgaatga acactggaat 1320 caatagagta gcagagtaat ggattgtgga gcaggaaaga gagctgctgg gtgggaattc 1380 1440 aattccaggc ttatatgagc cctgctgtgc agtcggcctg gagacagccc agctcaggcc

ctgcctagac	ccctgtcaag	gaggccctgt	caagaggaga	ggaggggcag	cacgggggca	1500
aggcaagctt	gtgagcggga	aaggcatgtc	cactttagcg	actggtatgt	ggaagatgag	1560
ttagaggaga	cagatggaga	gaagtcatag	gaaataaatt	ctgagcattt	taggagggcc	1620
cagacacctg	gtgtccagtg	gagtgaagga	aacagtcgcc	tcccaaaatt	cagtgtctga	1680
ggtcaaagga	ttgaagttct	gtgatgacca	aggagaagcc	agctctgtgg	tagggggcac	1740
aggagctccc	caaggcccca	gggctgtcca	gctggctgtc	ccctgccagc	acccatgtcc	1800
tgtgacccca	ccccaccaag	atcccatggt	ttccgggaag	ggcctactaa	actagcttga	1860
gtgatgaggc	tagaaagggg	ctgggaccaa	ggtttaaaaa	gcaaaacaaa	ctaacaaaaa	1920
ccacactgca	gccccccaa	ctaaaacatt	tttataaact	tttttttt	ttttgagatg	1980
gagtctcgct	ctgtcaccca	ggctagagtg	caatggcaca	atcttggctc	actgtaacct	2040
ccacctcctg	gattcaagtg	attctcctgc	ctcagcctcc	cacgtagctg	ggactacagg	2100
cacacgacac	cgcacccagc	tcattttgta	tttttagtag	agacagggtt	tcactatgtt	2160
ggccaggctg	gtctcaaact	tctgacctca	ggtgatccac	ccacctcagc	cttccaaagt	2220
gctgggatta	caggcatgag	ccaccgcgcc	cagcccattt	ttgtaaactt	ttacaatgaa	2280
gtaatttggt	gtcaaaatct	gacctgaaaa	ttaatgtgag	tttatgtata	gttttaattt	2340
atcccactag	tgtaactgtt	tcaccccaga	atatacactt	gattattggg	tatatgaaaa	2400
aaatattttc	tttgaatcac	ctttgatgaa	atcctaaaaa	attttaaccc	tgaaacattt	2460
gaataaggca	ttgtggacct	atggcaaact	cctggctatt	tctgcatttt	gcccaaatcc	2520
atccttgaat	tatatcacct	gaacctcgtg	accacctgga	gaaggcaatg	aggctcaagc	2580
cagggagggg	tggtgtctaa	tcctaccttt	cattggatct	gggaaaactg	agggagatgg	2640
gggcagggct	ctatctgccc	caggcttccg	tccaggcccc	accctcctgg	agccctgcac	2700
acaacttaag	gccccacctc	cgc				2723

<210> 17

<211> 41

<212> DNA

<213> Homo sapiens

<400> 17

ggagatgggg gcagggctct atctgcccca ggcttccgtc c

41

<210> 18

<211> 100

<212> DNA

<213>	Homo	sapiens	

<400> 18						
gatgaggcta	gaaaggggct	gggaccaagg	tttaaaaagc	aaaacaaact	aacaaaaacc	60
acactgcago	cccccaact	aaaacatttt	tataaacttt			100